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Figure 1

Lead Chemical Template

Therapeutic Drug

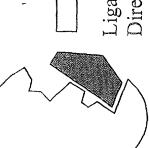
10-8M

NMR Ligand

10-4 M

Structure-Directed 10-6 M

Combichem Directed Ligand-



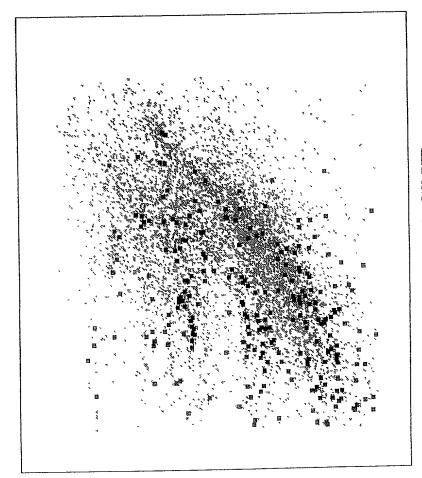
or Screening

Drug Design

Figure 2

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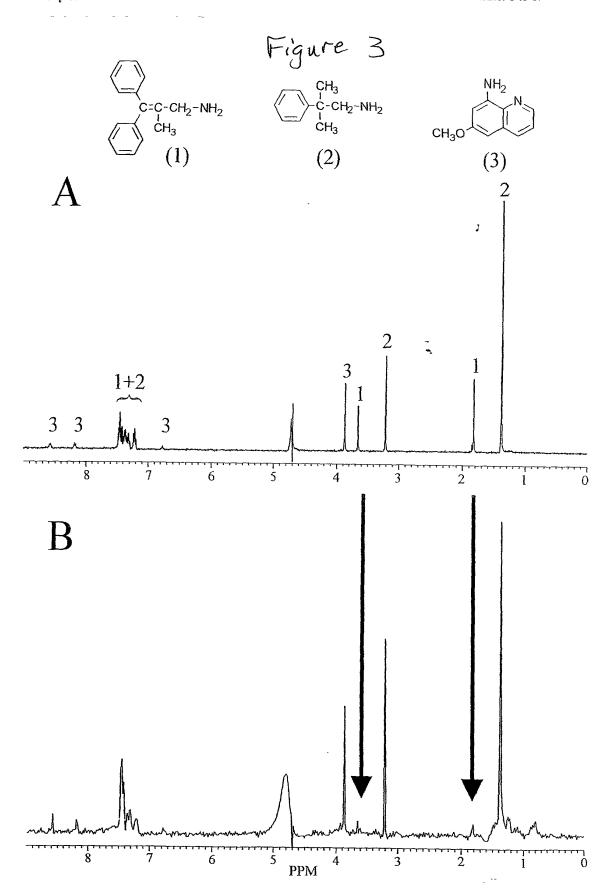
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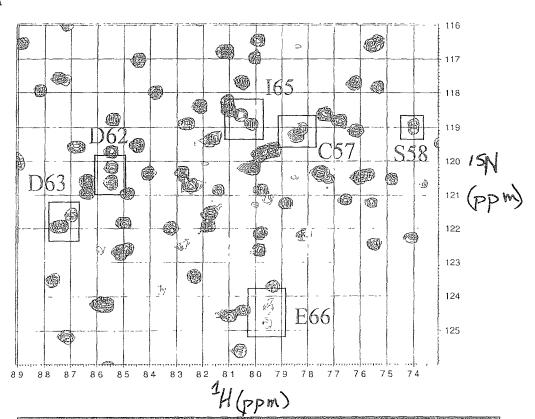
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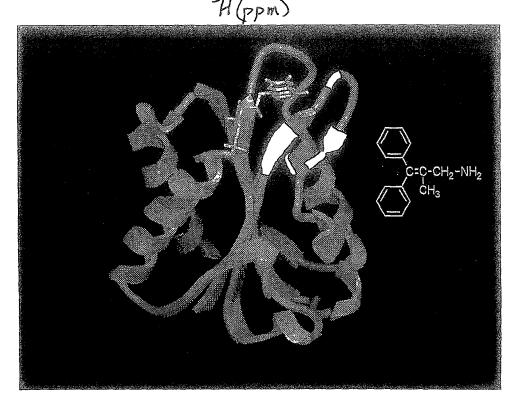
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Figure 4



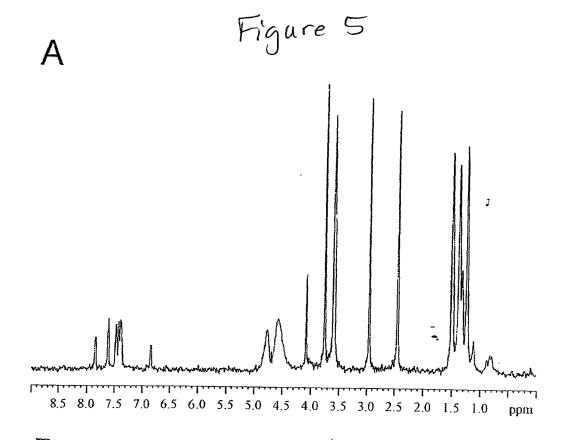
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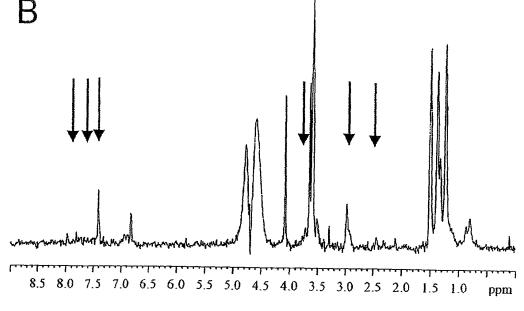


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: •

 $IC_{50} = 1.8 \times 10^{-5} M$

Ligand B

ίσς.

 $IC_{50} \sim 9.0 \times 10^{-5} M$

Ligand A

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 $IC_{50} = 1.8 \times 10^{-5} M$

Ligand C

 $IC_{50} = 1.2 \times 10^{-5} M$ Ligand D

 $IC_{50} = 3.2 \times 10^{-6} M$

Ligand A NMR $K_d \sim 1.4 \times 10^{\text{-4}} \, \mathrm{M}$

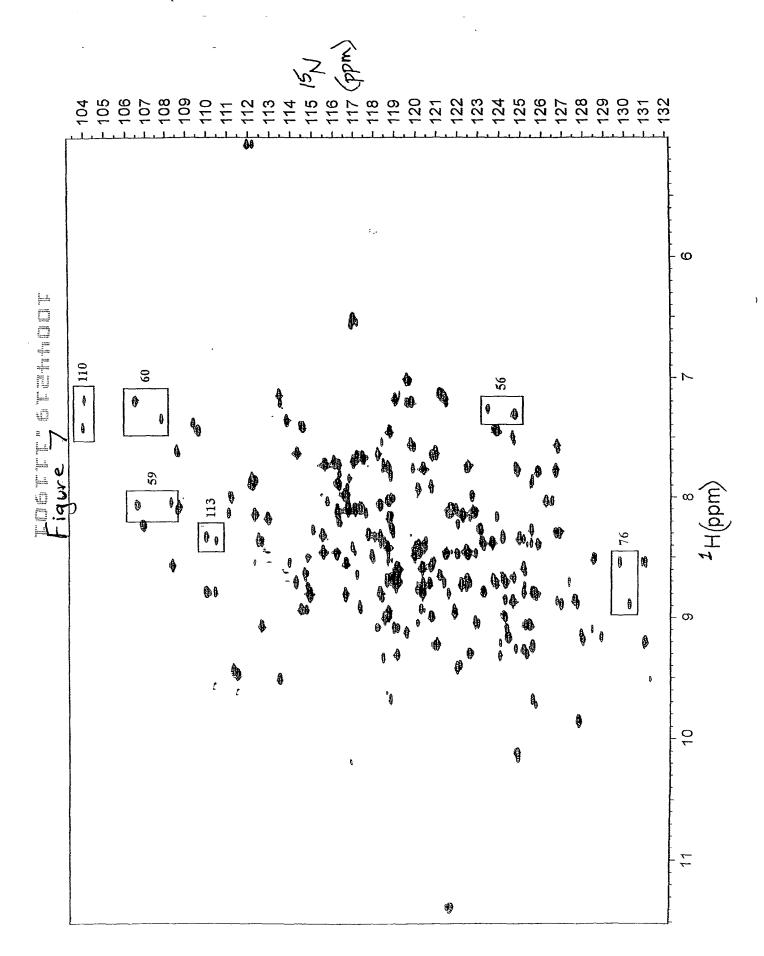
Title: METHODS FOR CREATING A COMPOUND LIBRARY Applicant(s): Stockman et al.

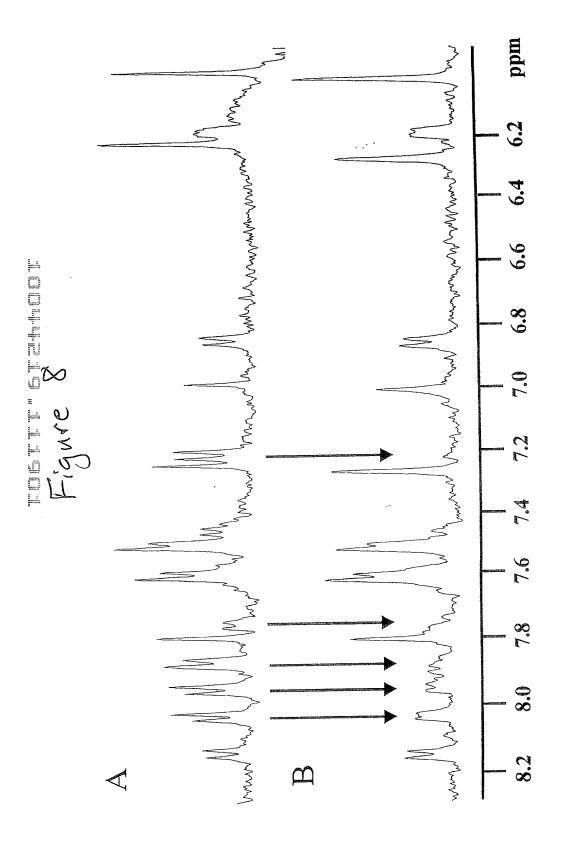
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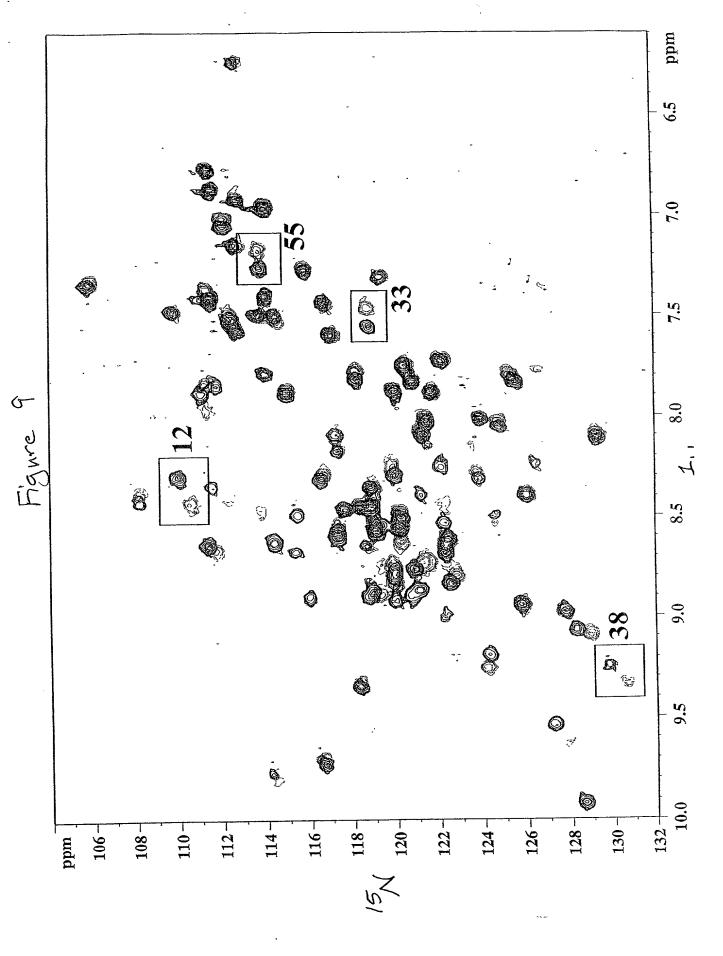


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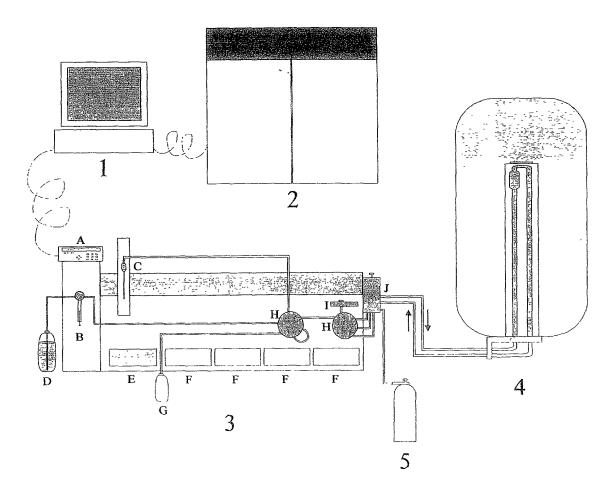
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Figure 10.



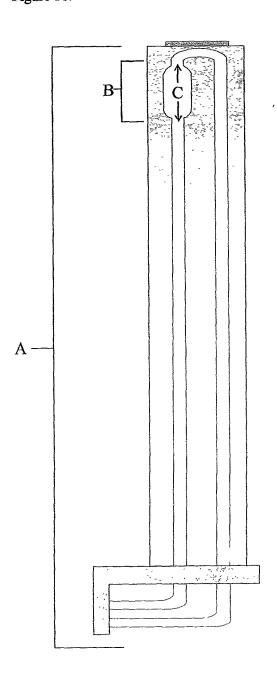
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Figure 11.



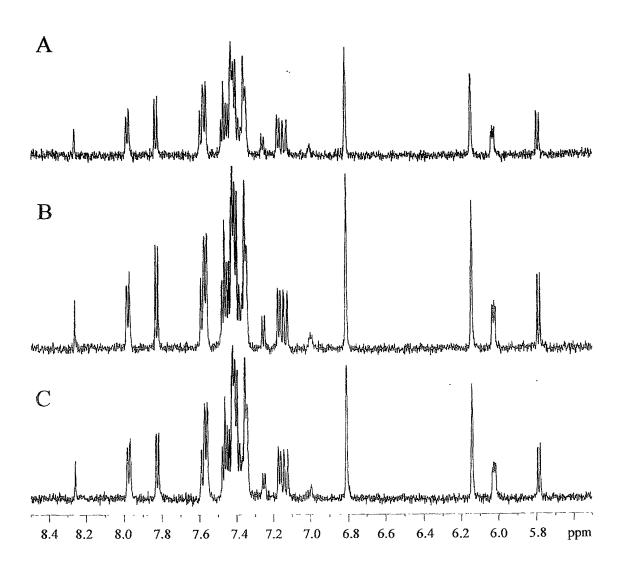
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Figure 12.



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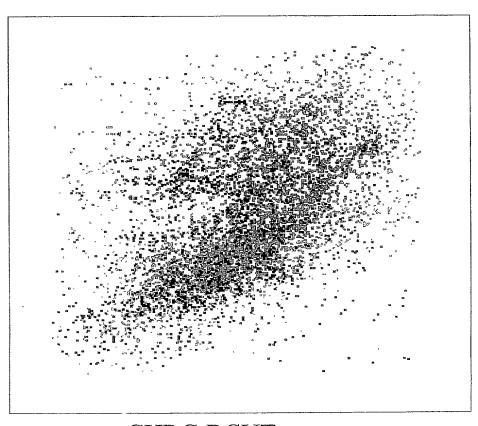
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Figure 13.



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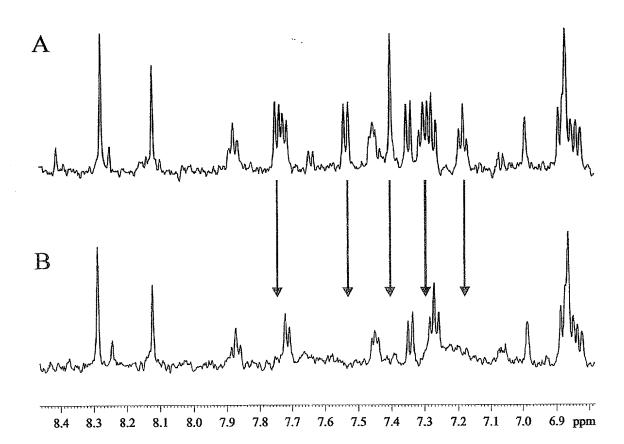
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Figure 14.



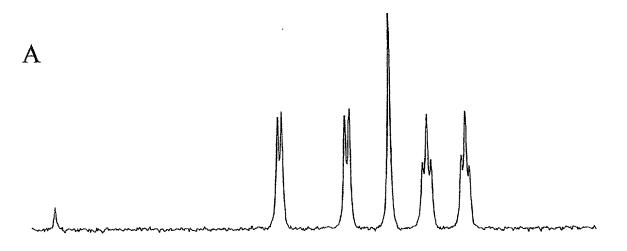
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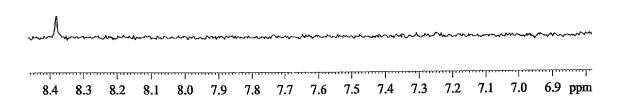
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Figure 16



B



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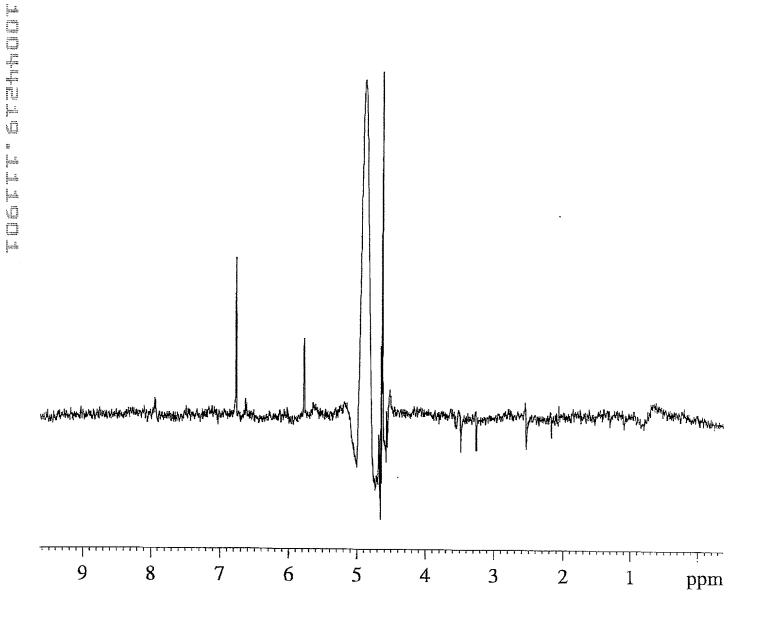
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Figure 16



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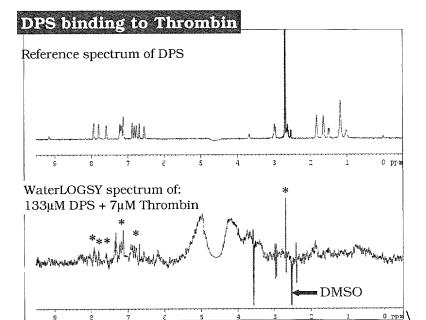


Figure 17